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عبر عبد القابل الثانية:
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$L+2 \simeq 2$
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10 follows
Sir 6: J = J = Jeldicon
$2x \in 5 : k(x) = 2x + 1$ $= c : c = b : c = a, b \in J : b : a : b : c = c : c $
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C+T - b+T => ((a) = 6(b)
Ci) \$10-16-212
C(a + b) = (a + b) + T = (a + T) + (b + T) = e(a) + e(b)
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47CB; &()a)=()a)-[=](a)-[=](a)
([a,b]) = [a,b]+ ] = [a+1, b+1] = [ (a) - (b)]
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3-3 - 7
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= f(x) + f(7)
P(1x) = 1x+1 - 1(x+1) = 1 f(x)
4([x,y]) - [x,y]+I = [x+] = [x+] = [+(x), f(y)]
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Derlas 2 Tues Trans	مر عمنة. بكن A جرك فعد المانة الآل الأدعة (A)
	b + Inn(A) CDer(A) Clipe Lipe
	+ Inn(A) Charles Cityle Lips
Inn(A) = } da: a ∈ A?	
Zanca) =   Call	Ada dh E Trach Yas A
(da-db) (2) da(2	1-db(x)
[κ,ω]	$\forall da, dh \in Inn(A)$ $\forall x \in A$ $\{-db(x)\}$ = [a, x] = [a, b, x] = d(x) = a - b
VJEB YREA	- da do - da - b E I noll) aire
1.504	- 7 da(x) = 7 [a,x] = [70,x)
- Setates Ju	a = olya EInn(a)
Der(A) 2'	de deser Innel, to il ci cia lips
da(Ens(A))C	Innell) circhina GA isu
2CA CILLIANS	CEA juice de E Inn (A) ard
(de) (x) = de(x) -	
0	( )

da ( [s,x]) = [da(c), x]+[c,da(x)] تنوالغ الثاني [da(c)-n] = da([c,n]) [c,da(n)]  $d_{a(c)}(x) = d_{a}(d_{c}(x)) - d_{c}(d_{a}(x)) = (d_{a}d_{c}-d_{c}d_{a})(x)$   $= \left[d_{a}d_{c}\right](x)$   $d_{a}(d_{c}) = d_{c}\left[d_{a}d_{c}\right](x)$   $d_{a}(d_{c}) = d_{c}\left[d_{a}d_{c}\right](x)$   $d_{a(c)}(a_{c}) = d_{a}\left[d_{a}d_{c}\right](x)$   $d_{a(c)}(a_{c}) = d_{a}\left[d_{a}d_{c}\right](x)$   $d_{a(c)}(a_{c}) = d_{a}\left[d_{a}d_{c}\right](x)$   $d_{a(c)}(a_{c}) = d_{a}\left[d_{a}d_{c}\right](x)$ Per(A) 2.cs. Inn(A) ains + Z(A) ⊆ A ... (A) Ξ (A) ⊆ Δ ... (A) Yabe Za) = [a,x] = [b,x]=0 [s.z. Zch cichi [a-p,x]=[a,x]-[b,x]=0=0=a=b E7(A)-de (2(A) € 2(A) ??

cl'apil 5 is a € 7(A) isi

de (a) € 7(A) 

1 x e A [deca, x]=0		
[de(a),x]=[[e,a],x]	Charles and the second of the	
[n,[c,a]]+[c,[a,n]]+[		
[[c,o]] = [c, [a,x]] + [a,[ = [c,o] + o = o	***C]]	
=> [d((a) x]=0 4x	ع ناريزها و عاريزها و	Z(A)
		F(A) Color
A = Ina(A) Z(A)	اللة السية الله ية	لیکن ۵ جول نور
Z(A)		1 C P/11
Y coco A ;	= A = 2 ~~ (A)	+c 12/11
	[a,ge] = [b, x] de(x) -dy(x)	
The same of the sa	, da = db	
Vaib EA (x (a+1s) = da+b		بالات ما تا
Vaih ∈ A = (x) = da+b (x) = [a		00
(datab) cod = dato = datob	-	- = 4(a) +4(b)
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	The state of the s	1 10 - 10

		· pune!
= 1da(x)=(1da)	(x) => 0	10 = 100
	4-2012-0	70 = 200 70 = 200 = 2 W(a)
4([a,b]) = d[o,b]	- AxeA	: d[a,b] - [[a,b],si]
[x, [a, b]] + [a, 1		
[ [a,b] - 2 ] = [a, [	7+[[x,a	5. [ x, a]]
[ [ ] = -[a, d,	(X) Jac [p	· [a,x]]
= Ea, dy(	x)] [hrd	$\alpha(x)$
-> da(dh(x	la ( - la (	~1) -dadb(n)-dbda(x)
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⇒ (dadn-db	-dal-en =	- [da, db] (m)
d[a, b] = [	da, db] >	[V([a,b])-da,b][da,db]
		- [y(a), y(b)]*
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	and the second of the second o	kery=Z(A) cíopi
Jacky > 4	aj = da	Yx (A) da(x)=do(x)
	was commented to the second second to the second se	[0/x]=[0x]=0
		⇒ a ∈ ZCA)
4 2 € Z(A) ; 4 x €		WYCZCA)
V C B J J K E	A-J-L-B-K	Jian Bio

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ide E O CA
4 a = [ + ] E = a + ] = b + ]
$(a+I)=(b+I)=I \Rightarrow (a-b)+C=C-kc+(8)$
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(s) f(a,b)= 0 ) f(a) = f(b) UUL
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3.7P Si250 ej rapin
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0((a+1)-(b+1)) 0 ((a+b)+1) = f(a+b) = f(a)+f(b) - g(a+1)+0(b+1)
Sol = Ocart) + O(b+T
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$= \Im \Theta(\alpha + I)$
f([a,b]) - [f(a) f(b)] - [G(a+1) - G(b+1)]
T.A = A/I O B: OT of inscription, chapter of a prices
4.a.E.A.3 T(a) - a+I. (B(T(a)) - B(a+I) - l(a)
$(\Theta \pi)(\alpha) = \ell(\alpha)$
$\Theta X = \mathcal{L}$
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